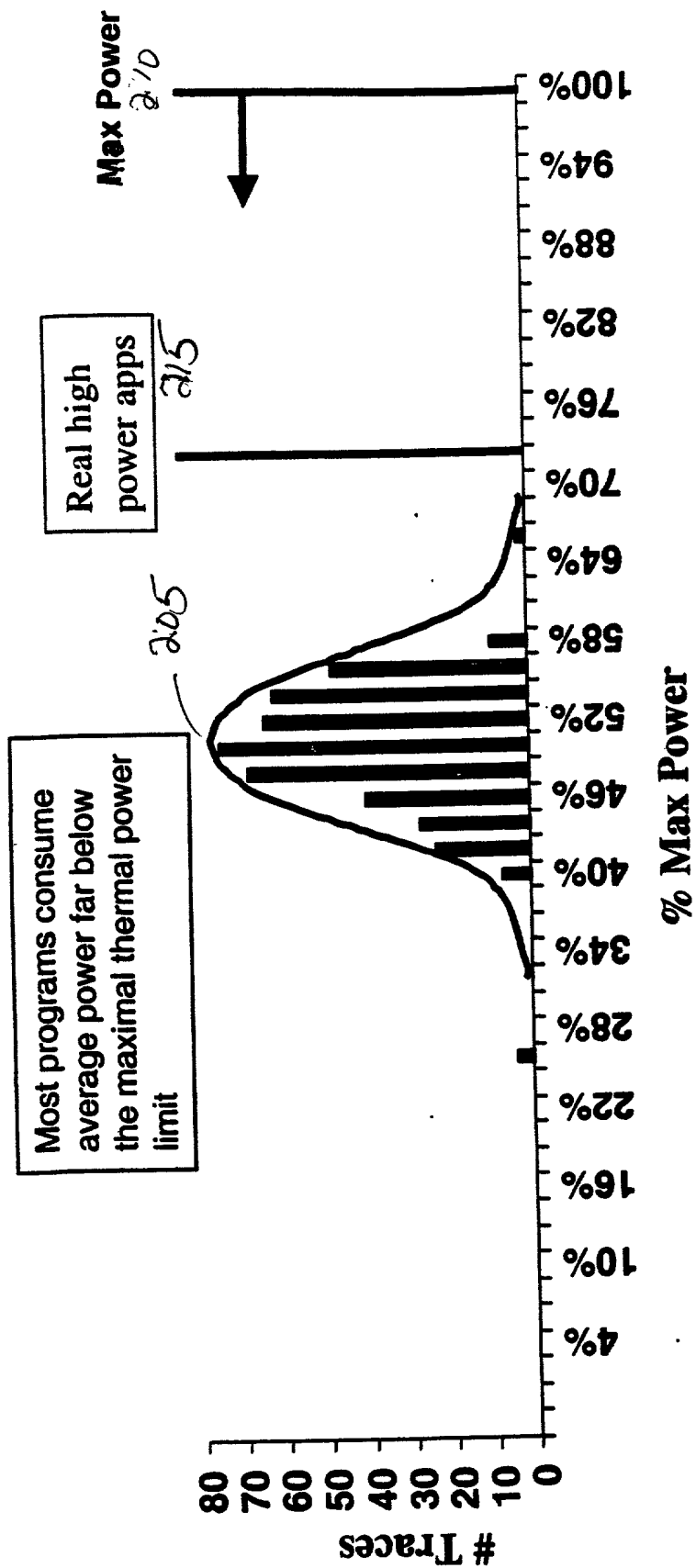




706

↓ 240 ↓

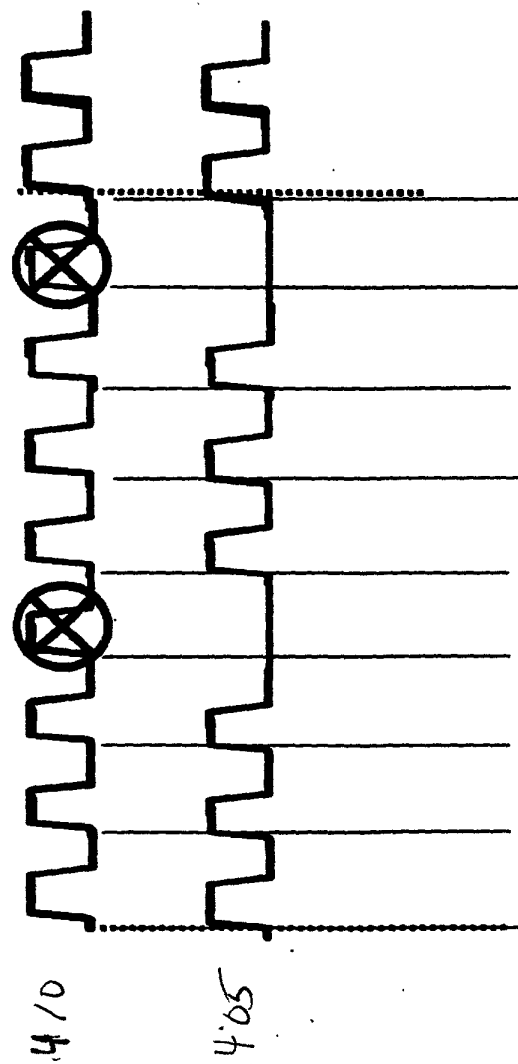


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Author	Year	Country	Sample Size	Study Design	Findings
Wong et al.	2002	China	1,000	Case-control	Increased risk of lung cancer with tobacco use
Li et al.	2003	China	2,000	Cohort	Increased risk of lung cancer with tobacco use
Wang et al.	2004	China	1,500	Case-control	Increased risk of lung cancer with tobacco use
Zhang et al.	2005	China	3,000	Cohort	Increased risk of lung cancer with tobacco use
Chen et al.	2006	China	1,200	Case-control	Increased risk of lung cancer with tobacco use
Qin et al.	2007	China	2,500	Cohort	Increased risk of lung cancer with tobacco use
Wu et al.	2008	China	1,800	Case-control	Increased risk of lung cancer with tobacco use
Xu et al.	2009	China	2,200	Cohort	Increased risk of lung cancer with tobacco use
Yang et al.	2010	China	1,600	Case-control	Increased risk of lung cancer with tobacco use
Zhou et al.	2011	China	2,800	Cohort	Increased risk of lung cancer with tobacco use
Guo et al.	2012	China	1,400	Case-control	Increased risk of lung cancer with tobacco use
Hou et al.	2013	China	2,600	Cohort	Increased risk of lung cancer with tobacco use
Li et al.	2014	China	1,900	Case-control	Increased risk of lung cancer with tobacco use
Wang et al.	2015	China	2,100	Cohort	Increased risk of lung cancer with tobacco use
Zhang et al.	2016	China	1,700	Case-control	Increased risk of lung cancer with tobacco use
Chen et al.	2017	China	2,300	Cohort	Increased risk of lung cancer with tobacco use
Qin et al.	2018	China	1,500	Case-control	Increased risk of lung cancer with tobacco use
Wu et al.	2019	China	2,700	Cohort	Increased risk of lung cancer with tobacco use
Xu et al.	2020	China	1,800	Case-control	Increased risk of lung cancer with tobacco use
Yang et al.	2021	China	2,400	Cohort	Increased risk of lung cancer with tobacco use
Zhou et al.	2022	China	1,600	Case-control	Increased risk of lung cancer with tobacco use

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**Figure 4.**

500

FFRL_EN	dT/dt	Thermal temperature	Current logic state	Prev. logic state
0 (not near maximal thermal limit)	Not Care	Not Care	Power down	Power down
0 (not near maximal thermal limit)	Not Care	Not Care	Power down	Wait
0 (not near maximal thermal limit)	Not Care	Not Care	Power down	Active
1 (near maximal thermal limit)	<0.2 (slow rate)	<max. temperature - $\delta t$	Power down	Power down
1 (near maximal thermal limit)	>0.2 (slow rate)	<max. temperature - $\delta t$	Wait	Power down
1 (near maximal thermal limit)	<0.2 (slow rate)	<max. temperature - $\delta t$	Power down	Wait
1 (near maximal thermal limit)	>0.2 (slow rate)	<max. temperature - $\delta t$	Wait	Wait
1 (near maximal thermal limit)	Not Care	>max. temperature - $\delta t$	Active	Power down
1 (near maximal thermal limit)	Not Care	>max. temperature - $\delta t$	Active	Wait
1 (near maximal thermal limit)	Not Care	>max. temperature - $\delta t$	Active	Active

FIG 5.

# Logic States Diagram of Fast Frequency Reduction Logic (FFRL)

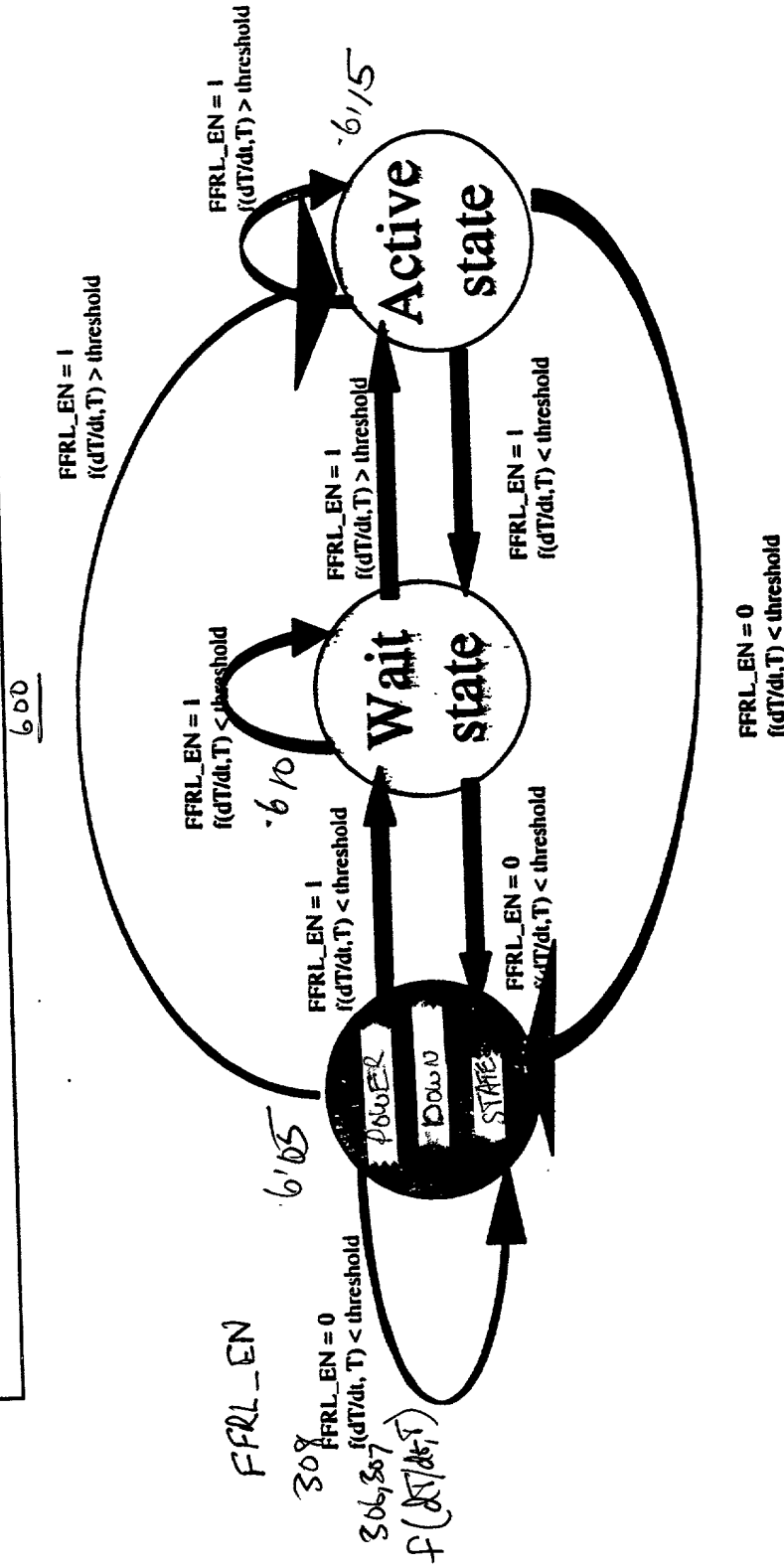


Figure 6